

# THEODOSIOS DIMITRASOPOULOS

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## EDUCATION

### Stevens Institute of Technology; Hoboken, NJ

Expected: May 2021

Masters of Science (MS) in Financial Engineering

**Coursework includes:** Pricing & Hedging; Market Microstructure & Trading Strategies; Financial Enterprise Risk Engineering; Private Equity & Venture Capital;

### Princeton University; Princeton, NJ

June 2017

Bachelors of Science in Engineering (BSE) in Civil & Environmental Engineering

**Thesis** *"Toward a sustainable future: Investigating the nanocrystalline structure and properties of C-A-S-H gels"*

**Coursework includes:** Statistical Learning & Data Science; Differential Equations; Advanced Linear Algebra; Multivariable Calculus; Java Programming; Engineering Statistics; Finite Element Analysis;

## SKILLS

**Programming** Python, MATLAB, R, Big Data Analytics, HTML/CSS

**Software** Microsoft Word, Excel, Power Point, Adobe InDesign

**Other** Accounting, Data Visualization (Plotly, Tableau), Presentations, Research

## EXPERIENCE

### Research Engineer - Terreform ONE, New Lab; Brooklyn, NY

2018-2019

- Developed quantitative structural analyses to ensure efficient material usage and stability under loading
- Led the design and fabrication teams through large-scale prototyping in New York, Shenzhen and Tel Aviv
- Delivered presentations to both specialized audiences and the general public (>200 people in five instances)
- Drafted grant proposals and pitched designs to investors, sourcing a total of \$540,000 in 2019

### Project Manager - NOARCHITECTURE; New York, NY

2017-2018

- Spearheaded an international team across seven time zones for urban planning projects in select sites in North America, winning the Chicago bid and placing among three finalists in Portland
- Performed computational fluid dynamics simulations on urban layouts to maximize building performance and published and presented the results at a renowned research conference in Hong Kong

### Structural Engineering Analyst - IBI Group; Dubai, United Arab Emirates

2015

- Developed and implemented traffic and structural simulations for the Saudi Government's 1.4 billion-square meter *MODON Oasis* Industrial Cities framework
- Delivered presentations and pitched project proposals to government officials and investors
- Fostered a partnership between the IBI Group Dubai and Princeton, creating a permanent summer internship

## ACTIVITIES

### Social Chair - Terrace Club; Princeton, NJ

2015-2017

- Organized social events and activities for 180 student members, managing a \$250,000 annual budget

### Student Athlete - Princeton Varsity Crew Team; Princeton, NJ

2013-2015

- Balanced weekly 20-hour practice sessions and weekend regattas with the above (men's coxed eight, bowman)

## PROJECTS

### Asian Options Pricing Research Project (Python)

- Deployed a Monte Carlo pricer for Asian Options using the Lévy matching-moment approximation method

### Contract Booking & Quoting System (Excel VBA)

- Assembled a booking and quote management system that prices and computes the risk and P&L of a variety of contracts (call and put options, forward contracts and zero-coupon bonds)
- Currently deploying the system in a class-wide competition

*Available for Summer 2020 internships.*